

# MATHEMATICS (B.S.) (COMBINED B.S./M.B.A. BUSINESS ADMINISTRATION)

A Combined Degree program enables undergraduate students to enroll in graduate courses in their senior year, which can be counted towards the completion of both their Bachelor's and Master's degree requirements.

The ability to take these "swing courses" allows students to earn both their Bachelor's and Master's degrees in a shortened period of time, typically within five years. Undergraduate students interested in this option can find more information regarding program requirements on the University's Combined Programs website (<https://www.montclair.edu/combined-programs/programs-of-study/>).

## Program Requirements

Students in this combined degree program must complete the requirements for:

Mathematics Major (B.S.) (<http://catalog.montclair.edu/programs/mathematics-bs/>)

Business Administration (M.B.A.) (<http://catalog.montclair.edu/programs/mba/>)

## Graduate Swing Courses

A combined degree program allows students to complete 6-12 graduate credits ("graduate swing courses") while enrolled as an undergraduate. These courses count for both their bachelor and master's degrees. Graduate swing courses will count toward undergraduate free electives, unless noted otherwise.

The Graduate Swing Courses for this program:

M.B.A. Graduate Swing Courses (<http://catalog.montclair.edu/programs/mba-graduate-swing-courses-combined-programs/>)

## Recommended Roadmap to Degree(s)

This recommended five-year plan is provided as an outline for students to follow in order to complete their degree requirements within five years. This plan is a recommendation and students should only use it in consultation with their academic advisor.

Fifth year courses are taken at the graduate level, after matriculation into the graduate portion of this combined degree program.

## Undergraduate Program

### First Year

Fall	Credits	Spring	Credits
GENERAL EDUCATION: (A) New Student Seminar	1	GENERAL EDUCATION: (C2) Literature	3
GENERAL EDUCATION: (C1) Writing	3	GENERAL EDUCATION: (C3) Communication	3
CSIT 111	3	GENERAL EDUCATION: (J) Physical Education	1
MATH 122	4	MATH 221	4

PHYS 191	4	PHYS 192	4
15		15	

### Second Year

Fall	Credits	Spring	Credits
GENERAL EDUCATION: (D) Fine and Performing Arts	3	World Language 2	3
World Language 1	3	MATH 225	4
MATH 222	4	MATH 340	3
MATH 320	3	Major Elective	3
Free Elective	3	Free Elective	3
16		16	

### Third Year

Fall	Credits	Spring	Credits
GENERAL EDUCATION: (F1) Humanities – Great Works and Their Influences	3	GENERAL EDUCATION: (K1) Social Science – American and European History	3
GENERAL EDUCATION: (F2) Humanities – Philosophical and Religious Perspectives	3	GENERAL EDUCATION: (K2) Social Science – Global Cultural Perspectives	3
MATH 425	3	GENERAL EDUCATION: (K3) Social Science – Social Science Perspectives	3
Major Elective	3	MATH 431	3
Free Elective	3	Major Elective	3
15		15	

### Fourth Year

Fall	Credits	Spring	Credits
GENERAL EDUCATION: (L) Interdisciplinary Studies	3	Major Elective	3
Major Elective	3	Free Elective	4
Free Elective	3	MBA Swing Courses	6
Free Elective	3		
Free Elective	3		
15		13	

**Total Credits 120**

## Graduate Program

### Fourth Year

#### Summer Credits

#### First Half

MBA Core course	1.5
MBA Core course	1.5
MBA Elective course	1.5
Second Half	

MBA Core course	3
MBA Core course	1.5
MBA Core course	1.5

**10.5****Fifth Year**

	<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
	First Half		First Half	
	MBA Core course	1.5	MBA Core course	3
	MBA Flexible Core course	1.5	MBA Elective course	1.5
	MBA Flexible Core course	1.5	Second Half	
	MBA Elective course	1.5	MBA Core course	1.5
	Second Half		MBA Core course	1.5
	MBA Core course	1.5	MBA Core course	1.5
	MBA Core course	1.5		
	MBA Elective	1.5		
		<b>10.5</b>		<b>9</b>

**Total Credits 30**